

CLAIMS

What is claimed is:

1. A method for inducing T cell tolerance *ex vivo* in peripheral blood mononuclear cells (PBMCs) comprising adding a regulatory composition to activate said cells.

- 5 2. A method for inducing a recipient's cells to decrease graft rejection comprising:
- a) isolating peripheral mononuclear blood cells from a recipient and a donor;
 - b) mixing donor and recipient cells *ex vivo*;
 - c) treating said cells with a regulatory composition;
 - d) expanding said cells; and
 - 10 e) introducing said cells to said recipient.

3. A method according to claim 1 or 2 wherein said regulatory composition comprises stimulator cells and TGF- β .

4. A method according to claim 3 wherein said regulatory composition further comprises cytokines selected from the group consisting of IL-2 and IL-15.